

Grade 2 Family Letter

Reveal
MATH[®]

Dear Family,

Welcome to *Reveal Math!* We are excited to be a part of your child's math journey this school year. In designing *Reveal Math*, we set as a goal to help students see math not just as a series of computations and procedures, but as a way of visualizing and communicating about their worlds and solving problems in the world. A second goal was to help students realize that being proficient doers of mathematics does not require speed with operations, but creativity, thoughtfulness, and flexibility. We are excited to share our enthusiasm for math with you and your child.

Reveal Math offers visually engaging print components and robust and interactive digital components. You can experience the digital course with your child by logging in to **my.mheducation.com** and entering your child's username and password.

Your login information

Username: _____

Password: _____



What can your child do at home?

Help your child see math in everyday events and activities, such as setting a table for a shared meal, cooking, shopping, or outdoor activities. Provide opportunities for your child to build proficiency with the key concepts they will be learning this year.

What Will Students Learn This Year?

Place value

Students will:

- work with a new unit, a hundred, which is formed from ten groups of tens;
- compose and decompose 3-digit numbers by place value; and
- compare 3-digit numbers.

Addition and subtraction

The major focus of students' math learning is on addition and subtraction. Students will:

- expand on the meanings of addition as adding to, putting together, and comparing, and subtraction as taking from, taking apart, and comparing;
- solve problems in which the unknown, or missing value, is in different positions of the equation. For example,
 - Issa has some trading cards. She gets 23 more. Now Issa has 104 trading cards.
 - The art teacher has 176 colored pencils. He gives some to the second grade teacher. The art teacher now has 58 colored pencils. Students determine how many colored pencils the art teacher gave to the second grade teacher.
- expand on strategies to add and subtract. These strategies include
 - decomposing one or both addends and adding by place value;
 - adjusting numbers to make them easier to add or subtract;
 - using addition to solve subtraction equations.

Measuring lengths

Students will:

- measure lengths using tools with standard units, such as inches or centimeters;
- relate standard units to everyday objects that are about the length of each standard unit, allowing them to estimate lengths based on these everyday, "non-standard" units. For example, students realize that a text book is about a foot long and their desk is about 3 textbooks long, so the desk is about 3 feet long.

Reasoning about geometric shapes

Students will:

- deepen their understanding of the attributes of two-dimensional figures, such as squares, triangles, rectangles, hexagons;
- draw shapes with specific defining attributes, such as number of sides and number of angles.